User Manual

14PT6441/37
20PT6441/37
20PT6341/37
20PT5441/37
20PT6245/37

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Need help fast?

Read your Quick Use Guide and/or Owner's Manual first for quick tips that make using your Philips product more enjoyable.
If you have read your instructions and still need assistance, you may access our online help at ***www.usasupport.philips.com*** ***or call*** ***1-888-PHILIPS (744-5477)*** ***while with your product*** ***(and Model / Serial number)***

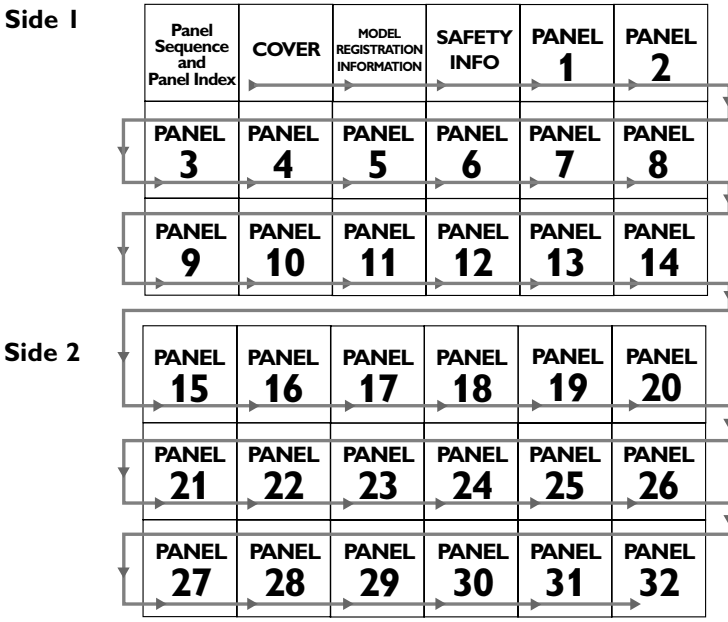
Model No.:_____

Serial No.:_____

PHILIPS

3141 095 20181

PANEL LAYOUT



PANEL INDEX

Subject	Panel No.
Antenna Basic Connection	1
Audio/Video Connections	
AV Input Jacks	4
Component Video Input Jacks	7
Front (Side) Audio/Video Input Jacks	5
Headphone Jack	5
AV Output Jacks	8
S-Video Input Jacks	6
AutoLock™ Controls	
Access Code	19
Block All Channels	21
Block Channels	20
Clear All Blocked Channels	21
Movie Ratings	22
Other Blocking Options	24
TV Ratings	23
Understanding AutoLock™	18
Automcatically Programming TV	13
AutoPicture™ Control	25
AutoSound™ Control	25
Basic Remote Operation	3
Basic Television Operation	3
Cable Box Connection	2
Channel Edit	14
Closed Caption Control	25
Format Controls	17
Language Controls	11
Limited Warranty	30
Picture Menu Controls	15
QuadraSurf™	27-28
Remote Batteries	3
Remote Control Button Descriptions	9-10
Sleeptimer	25
Sound Menu Controls	14-15
Tuner Mode	16

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Congratulations on your **purchase,** and welcome to the **"family!"** To get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. **So please mail it to us right now!**

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Know these **safety** symbols

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical hock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed terature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

Clean only with a dry cloth.

Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

0. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

1. Only use attachments/accessories specified by the manufacturer.

2. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

3. Unplug this apparatus during lightning storms or when unused for long periods of time.

4. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

5. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org

6. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:

- **A.** The power supply cord or the plug has been damaged; or
- **B.** Objects have fallen, or liquid has been spilled into the appliance; or
- **C.** The appliance has been exposed to rain; or
- **D.** The appliance does not appear to operate normally or exhibits a marked change in performance; or
- **E.** The appliance has been dropped, or the enclosure damaged.

Note to the CATV system installer: This eminder is provided to call the CATV system nstaller's attention to Article 820-40 of the NEC hat provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be onnected to the grounding system of the building, s close to the point of cable entry as practical.

17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.

• Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.

• Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.

18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

19. **Power Lines** - An outdoor antenna should be located away from power lines.

20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.

21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.comply with recommended international global safety standards for tilt and stability properties of its cabinet design.

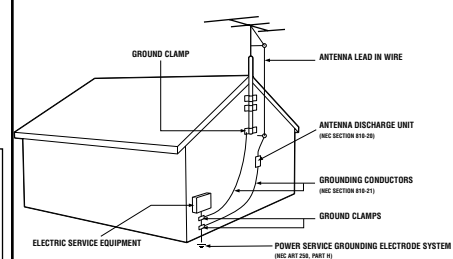
22. **Battery Usage CAUTION -** To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:

• Install all batteries correctly, with + and - aligned as marked on the unit.

• Do not mix batteries (old and new or carbon and alkaline, etc.).

• Remove batteries when the unit is not used for a long time.

Example of Antenna Grounding as per NEC - National Electric Code



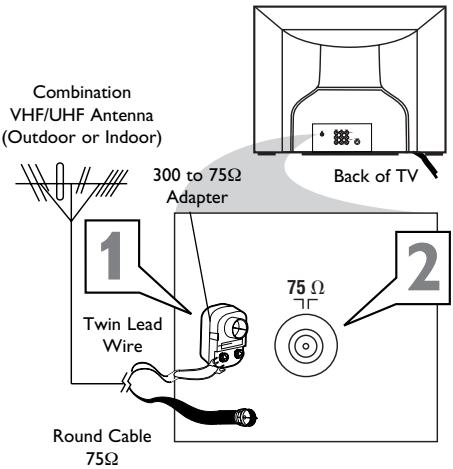
1 Basic Antenna and Cable Connections

Your home's signal input might come from a single (75 ohm) round cable, a onverter Box, or from an antenna. In either ase the connection to the TV is very easy.

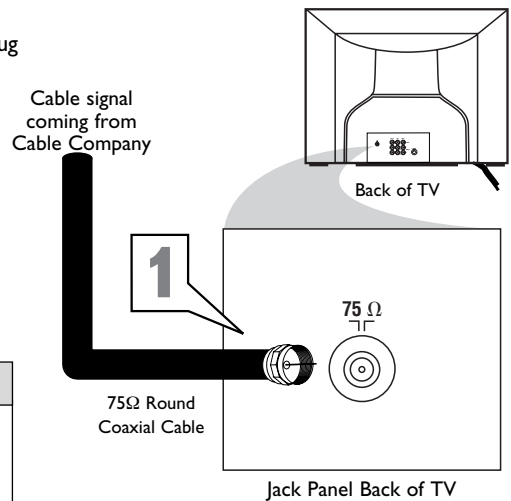
1 **If your Cable TV signal or Antenna signal is a round cable** (75 ohm) then you're ready to connect to the TV.
If your antenna has flat twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300 to 75 ohm adapter.
If you have a Cable Converter Box: Connect the Cable TV signal to the Cable Signal IN(put) plug on the Converter.

2 **Connect the Cable TV** cable or Antenna cable (or 300 to 75 ohm adapter) to the 75Ω plug on the TV.
If you have a Cable Converter Box: Connect the OUT(put) plug from the Converter to the 75Ω plug on the TV.

Antenna Connection



Direct Cable Connection



Helpful Hint

After using the AutoProgram Control, press the CH + and – buttons to scroll through all the channels stored in the television's memory.

2 Cable Box Connections

If you cable signal uses a cable box or decoder, follow the easy steps below to omplete the connection.

Cable Box (w/RF In/Outputs):

his connection will be mono.

1. **Connect the Cable Company supplied cable** to the signal IN(put) plug on the back of the Cable Box.
2. Using a separate round coaxial cable, **connect one end to the OUT(put) (TO TV) plug on the back of the Cable Box.**
3. **Connect the other end of the round coaxial cable** to the 75Ω input on the back of the television. Screw it down finger tight.

NOTE: If applicable, set the OUTPUT HANNEL SWITCH on the back of the able box to CH 3 or 4. Tune the TV to he same channel and change channels at he cable box. In some cases, the cable box ill automatically tune to either channel 3 r 4, change channels until the picture ppears.

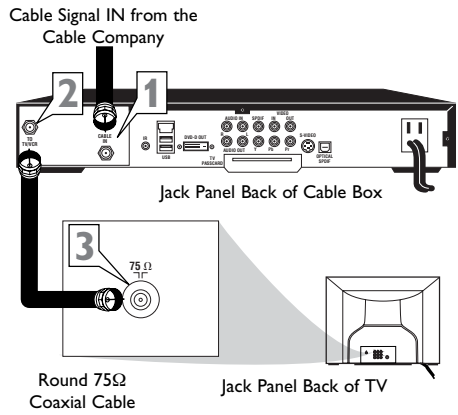
Cable Box (w/Audio/Video Outputs):

his connection will supply Stereo sound.

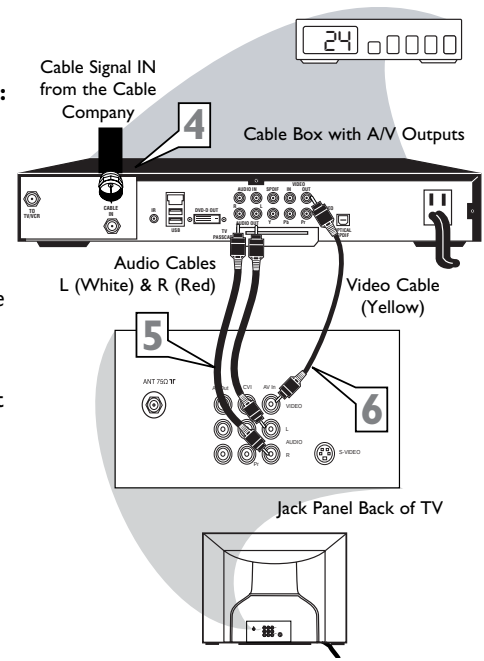
4. **Connect the Cable Company supplied cable** to the cable signal IN(put) plug on the back of the Cable Box.
5. Using a RCA type Video Cable, **connect one end of the cable to the Video** (or ANT, *your cable box may be labeled differently*) **Out jack** on the cable box and the other end to the AV1 Video Input on the TV.
6. **Connect one end of the** Audio Left and Right Cable **to the left and right Audio Out L & R jacks on the cable box.** Connect the other end to the AV In Audio L & R Input jacks on the TV.

NOTE: Use the AV button on the TV emote control to tune to the AV channel or the cable box signal. Once tuned, hange channels at the cable box, not the elevision.

Cable Box (w/RF In/Outputs):



Cable Box (w/Audio/Video Outputs):



3 Basic TV and Remote Control Operation

1 **Press the POWER button** to turn the TV ON.

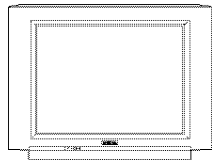
Note: You can also press any button on the front of the TV to turn the TV ON.

2 **Press the VOLUME + button** to increase the sound level, **or the VOLUME – button** to lower the sound level.

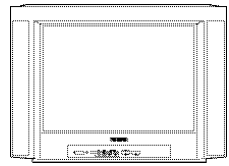
Pressing both buttons at the same time will display the on-screen menu. Once in the menu, use these buttons to make adjustments or selections.

3 **Press the CHANNEL UP + or DOWN –** button to select TV channels.

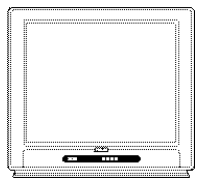
4 **Point the remote** control toward the remote sensor window on the TV when operating the TV with the remote.



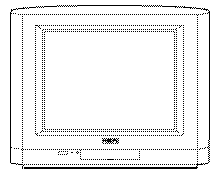
20PT6441/37
Controls located on front and top of set.



20PT5441/37
Controls located on front of set.

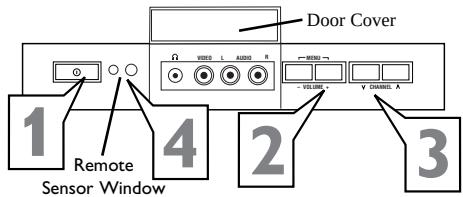


20PT6341/37
20PT6245/37
Controls located on front of set.



14PT6441/37
Contols under door on front of set.

Example of Controls, 14PT6441/37 shown.



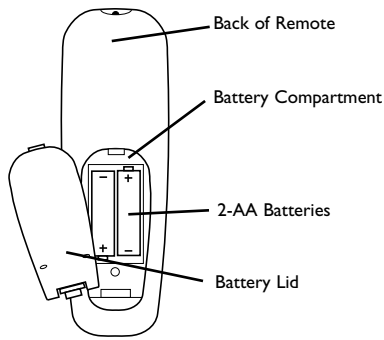
REMOTE CONTROL

To load the supplied batteries into the remote:

1. Remove the battery compartment lid on the back of the emote.

2. Place the batteries (2-AA) in he remote. Be sure the (+) and (- ends of the batteries line up corectly (inside of case is marked.)

3. Reattach the battery lid.



4 AV (AUDIO/VIDEO) INPUT CONNECTION

The TV's audio/video input jacks are for direct picture and sound connections etween the TV and a VCR (or similar device) hat has audio/video output jacks. Follow the asy steps below to connect an accessory evice to the AV In Input Jacks located on the ack of the TV.

1 **Connect the VIDEO (yellow) cable** to the VIDEO AV In jack on the back of the TV.

2 **Connect the AUDIO (red and white) cables** to the AUDIO (left and right) AV In jacks on the rear of the TV.

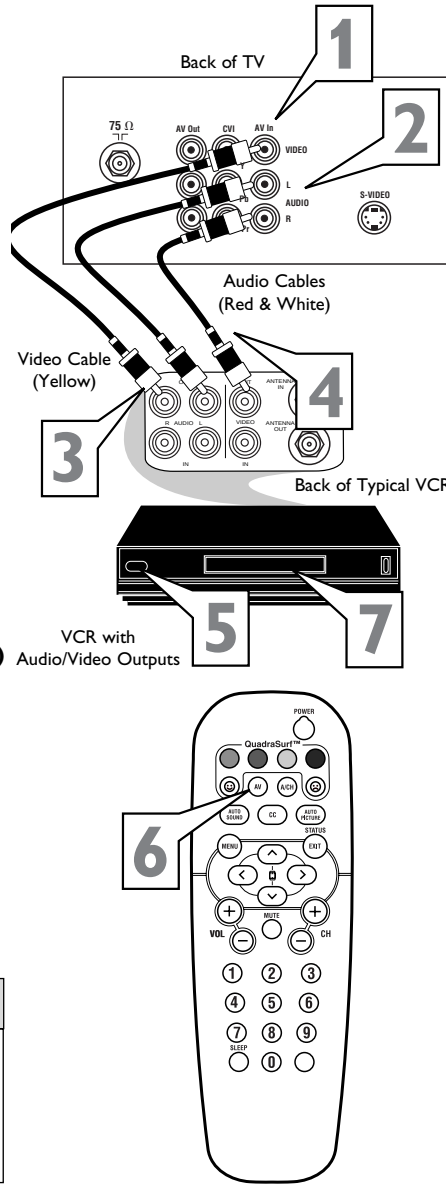
3 **Connect the VIDEO (yellow) cable** to the VIDEO OUT jack on the back of the VCR.

4 **Connect the AUDIO (red and white) cables** to the AUDIO (left and right) OUT jacks on the rear of the VCR.

5 **Turn the VCR (accessory device) and the TV ON.**

6 **Press the AV button** on the remote control to select the AV channel. AV will appear in the upper left corner on the TV screen.

7 With the VCR (or accessory device) ON and a prerecorded tape (CD, DVD, etc.) inserted, **press the PLAY ▶ button** to view the tape on the television.



HELPFUL HINT

All the AV channels can be selected by pressing the Channel + or – buttons. The AV channels can also be added to the QuadraSurf™ buttons for quick access.

5 Front and Side AV Connections

Audio and Video Front (or Side) Inputs are available for a quick connection of a CR, to playback video from a camera, or ttach a gaming device. Use the AV button n the remote control to tune these inputs.

1. **Connect the video (yellow) cable** from the Video output on the Camera (or accessory device) to the Video (yellow) Input located on the SIDE (or FRONT) of the TV.
2. **For Stereo Devices:** Connect the audio cable (red and white) from the Audio Left and Right Outputs on the Camera to the Audio In (white) jack on the SIDE (or FRONT) of the television.

   For Mono Devices: Connect one end of the audio cable from the Audio Out jack on the device to the Audio In (white) jack on the SIDE (or FRONT) of the television.
3. Turn the TV and the accessory device ON.
4. **Press the AV button** on the remote control to tune the TV to the side (or front) input jacks. "AV" will appear on the TV screen.
5. **Press the PLAY ▶ button** on the accessory device to view playback, or to access the accessory device (camera, gaming unit, etc.).

Front AV Inputs:

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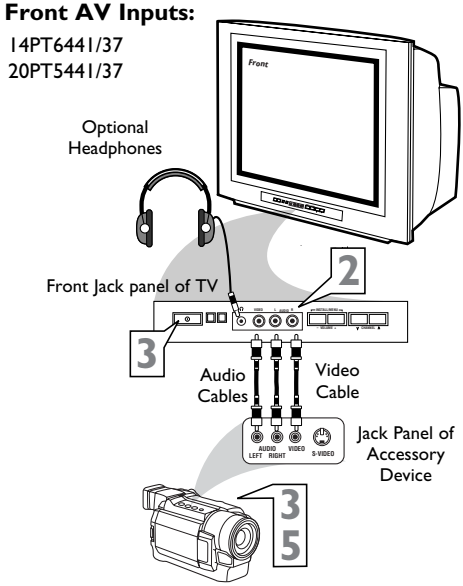
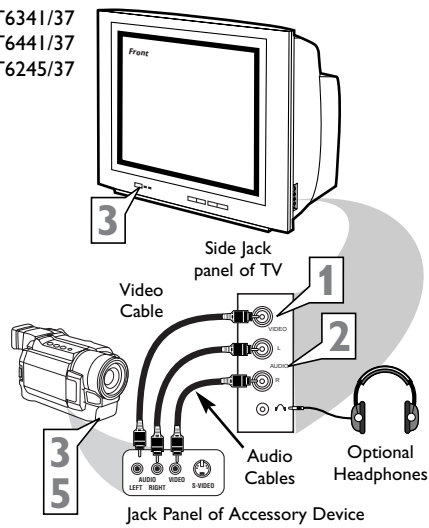
20PT5441/37



Side AV Inputs:

20PT6341/37
20PT6441/37
20PT6245/37



6 S-VIDEO (S-VHS) INPUT CONNECTIONS

The S(uper)-Video connection on the rear of the TV can provide you with better picture detail and clarity for the playback of ccessory sources such as DBS (digital broadast satellite), DVD (digital video discs), video ames, and S-VHS VCR (video cassette ecorder) tapes than the normal antenna picure connections.

***NOTE:** The accessory device must have an -VIDEO OUT(put) jack in order for you to omplete the connection on this page.*

1 **Connect one end of the S-VIDEO CABLE** to the S-VIDEO jack on the back of the TV. Then connect one end the AUDIO (red and white) CABLES to the AV In AUDIO L and R (left and right) jacks on the rear of the TV**.**

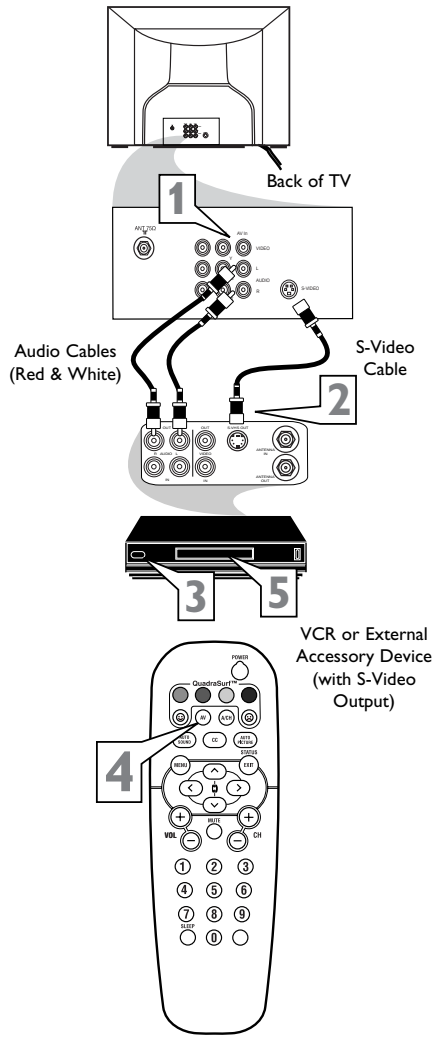
2 **Connect other end of the S-VIDEO CABLE** to the S-VHS (S-Video) OUT jack on the back of the VCR. Then connect the other ends of the AUDIO (red and white) CABLES to the AUDIO (left and right) OUT jacks on the rear of the VCR.

3 **Turn the VCR and the TV ON.**

4 **Press the AV button or the CH + or CH – buttons** on the remote to scroll the channels until SVHS appears in the upper left corner of the TV screen.

5 Now your ready to place a prerecorded video tape in the VCR and **press the PLAY ▶ button.**

NOTE: When using additional accessories, only one external source will be audible, as there is only one set of sound inputs. Component Video (CVI) input will dominate over all other inputs, including S-Video (S-VHS) and AV. When S-Video (S-VHS) is used, it will dominate over the AV input.



7 Component Video (CVI) Input Connections

Component Video inputs provide for the highest possible color and picture resolution in the playback of digital signal source material, such as with DVD players. The color difference signals (Pb, Pr) and the luminance (Y) signal are connected and received separately, which allows for improved color bandwidth information (not possible when using composite video or S-Video connections).

1 **Connect the Component (Y, Pb, Pr) Video OUT** jacks from the DVD player (or similar device) to the (Y, Pb, Pr) in(put) jack on the TV. When using the Component Video Inputs, it is best not to connect a signal to the AV in Video Jack.

2 **Connect the red and white AUDIO CABLES** to the Audio (left and right) output jacks on the rear of the accessory device to the Audio (L and R) AV In Input Jacks on the TV.

3 **Turn the TV and the DVD (or digital accessory device) ON.**

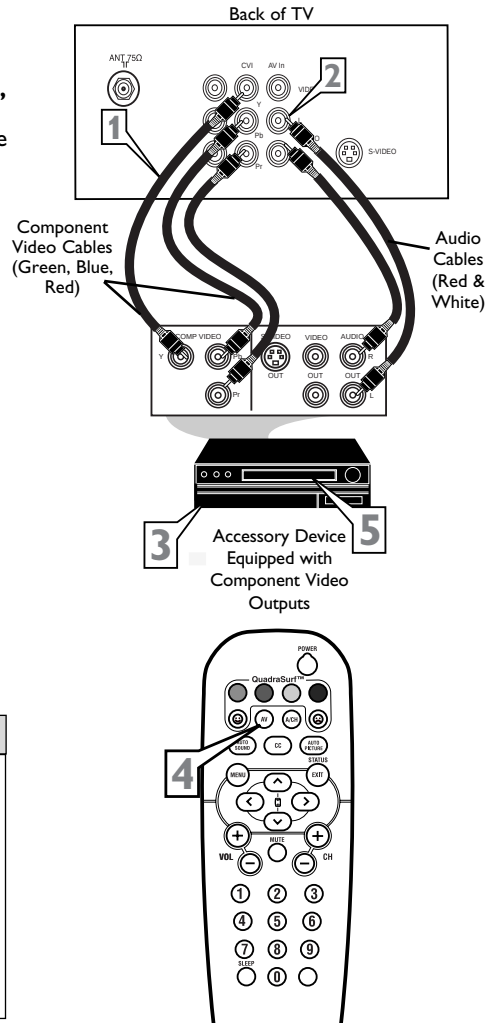
4 **Press the AV button or the CH + or CH – buttons** to scroll the available channels until CVI appears in the upper left corner of the TV screen.

5 Insert a DVD disc into the DVD player and **press the PLAY ▶ button on the DVD Player.**

Helpful Hint

The description for the component video connectors may differ depending on the DVD player or accessory digital source equipment used (for example, Y, Pb, Pr; Y, B-Y, R-Y; Y, Cr, Cb). Although abbreviations and terms may vary, the letters *b* and *r* stand for the blue and red color component signal connectors, and *Y* indicates the luminance signal. Refer to your DVD or digital accessory owner's manual for definitions and connection details.

NOTE: When using additional accessories, only one external source will be audible, as there is only one set of sound inputs. Component Video (CVI) input will dominate over all other inputs, including S-Video (S-VHS) and AV. When S-Video (S-VHS) is used, it will dominate over the AV input.



8

The Audio/Video Output jacks are great for recording with a VCR or used to connect an external audio system for better sound reproduction.

AUDIO SYSTEM CONNECTION:

1. **Connect one end of the R(ight) and L(eft) AUDIO** jacks on the TV to the R and L audio input jacks on your amplifier or sound system. Set the audio system's volume to a normal listening level.
2. **Turn the TV and audio system ON.** To adjust the volume on the audio system, you will need to change the volume at the external audio system, not the television.

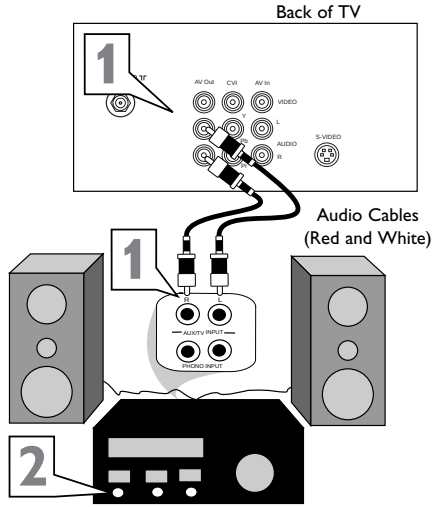
SECOND VCR CONNECTION:

NOTE: Refer to panel number 4 for the proper hookup of the first VCR. Follow the instructions on how to tune to the AV1 channel to view a pre-recorded tape.

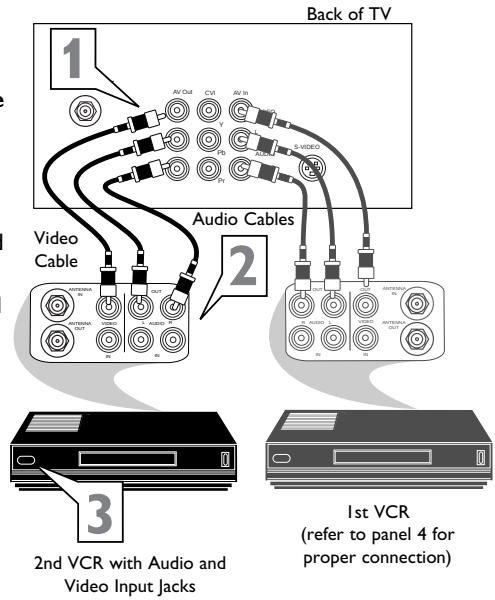
The following steps allow you to connect a second VCR to record the program while your watching it.

1. **Connect one end of the yellow Video Cable** to the AV Out VIDEO plug. Connect the other end to the VIDEO IN plug on the second VCR.
2. **Connect one end of the red and white Audio cable** from the AV Out AUDIO L and R plugs on the TV to the AUDIO IN plugs on the VCR.
3. **Turn the Second VCR ON,** insert a VHS tape and it's ready to record what's being viewed on the TV screen.

AUDIO SYSTEM CONNECTION:



SECOND VCR CONNECTION:



9 Remote Control Button Descriptions

QUADRASURF Buttons
Red, Green, Yellow, Blue) Allows you to tore and surf up to 10 channels you choose or each colored button.

AV Button
ress to select an accessory signal input from he front AV Inputs.

SMILEY Button
ress to add channels to the "QuadraSurf" sts. Works with all colored buttons.

AUTO SOUND Button
ress repeatedly to choose from different fac- ory pre-defined sound settings. Choose from ersonal (how you set the Sound Menu ptions), Voice (for programming with speak- ng only), Music (for musical type programs uch as concerts), or Theatre (used when watching movies).

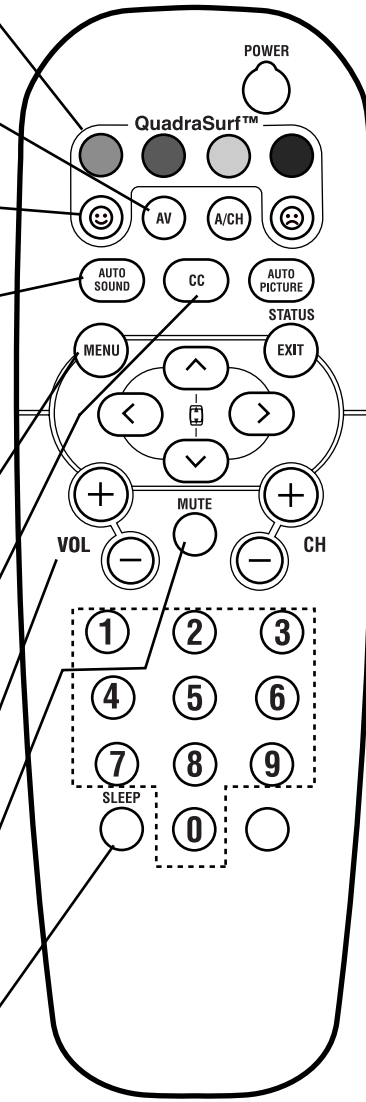
MENU Button
ress to display the on-screen menu. Also can e used to back out of the on-screen menu ntil it disappears from the TV's screen.

CC Button
ress to activate the Closed Captioning ptions. Repeatedly pressing the CC button will scroll the available options on the TV creen.

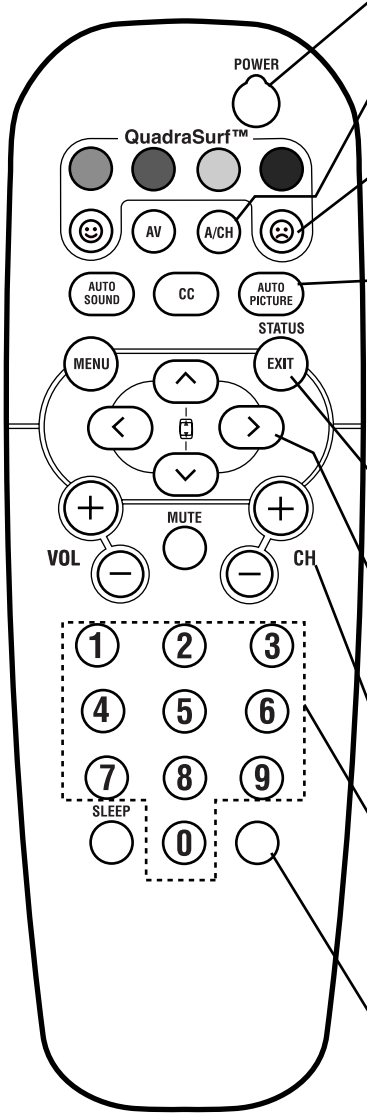
VOL(ume) + or - Buttons
ress the VOL + button to increase the TV's ound level. Press the VOL – button to ecrease the TV's sound level.

MUTE Button
ress the mute button to eliminate the sound eing heard from the TV. "MUTE" will be dis- layed on the TV's screen. Press again to estore the TV's volume to it's previous level.

SLEEP Button
ress the Sleep button to set the TV to auto- matically turn itself off after a set period of me. Press repeatedly to select 15, 30, 45, 60, 0, 120, 180, or 240 minutes.



Remote Control Button Descriptions



POWER Button
Press to turn the TV on or off.

A/CH Button (Alternate Channel)
Press to toggle between the last viewed channel and the channel presently being viewed.

FROWNIE Button
Allows you to delete channels from the "Quadra Surf" lists for the colored buttons. Works with all colored buttons.

AUTO PICTURE Button
Press repeatedly to choose from 5 different factory predefined picture settings. Choose from Personal (how you set the Picture Menu Adjustment controls), Movies (for movies), Sports (for any sporting event), Weak Signal (used when the signal being received is not great), or Multimedia (for video games).

STATUS/EXIT Button
Press to display the current channel number. If the on-screen menu is displayed, press the Status/Exit button of remove it from the TV's screen.

∧, ∨, <, and > Buttons
Press to navigate, select, and adjust controls within the on-screen menu. Also use the CURSOR ∧ or CURSOR ∨ to activate or deactivate the EXPAND 4:3 screen formatting control.

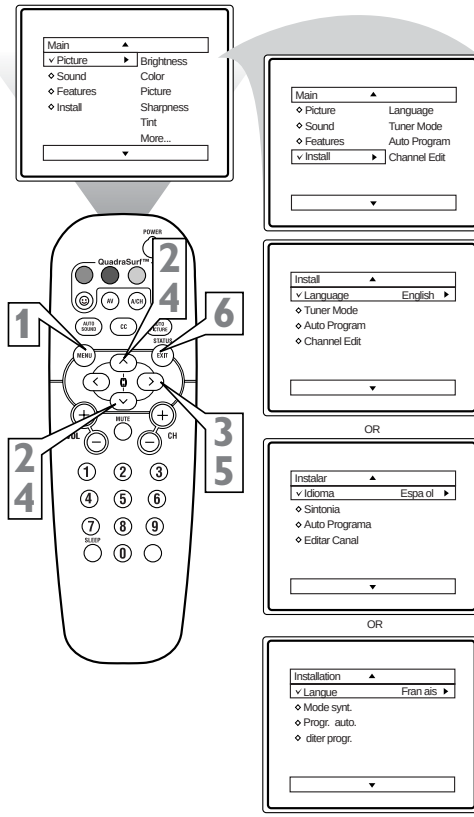
CH(annel) + or CH(annel)- Buttons
Press to select channels in ascending or descending order.

NUMBERED (0-9) Buttons
Press the numbered buttons to select TV channels or to enter certain values within the on-screen menu. For single channel entries, press the numbered button for the channel you desire. The TV will pause for a second or two before changing to the chosen channel.

NOTE:
This button is dedicated to TIMER features within certain TV models. This TV does not contain these TIMER features, therefore the button will have no functionality when pressed.

11 How to Use the Language Control

For French and Spanish speaking TV owners an onscreen LANGUAGE option present. With the LANGUAGE control ou can set the TV's on-screen menu to be hown in English, French, or Spanish.



1 **Press the MENU button** on the remote control to show the on-screen menu.

2 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll though the on-screen menu until the word INSTALL is highlighted.

3 **Press the CURSOR RIGHT > button** to display the **INSTALL** menu features.

4 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll through the Install features until the word **LANGUAGE** is highlighted.

5 **Press the CURSOR RIGHT > button repeatedly** to select English, Francais (French), or Espanol (Spanish).

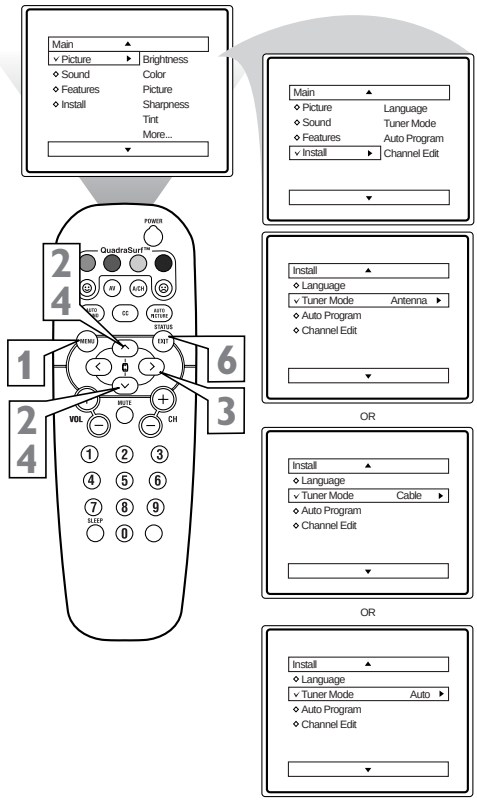
6 **When finished, press the STATUS/EXIT button** to remove the menu from the TV's screen.

Helpful Hint

The Language contol only makes the TV's on-screen MENU items appear n English, Spanish, or French text. t does not change the other on-screen text features such as Closed Caption (CC) TV shows.

12 How to use the Tuner Mode Control

The TUNER MODE control allows you to change the TV's input signal to either NTENNA, CABLE, or AUTO mode. It's mportant for the TV to know what type of gnal to look for (Cable TV or an ntenna). In the AUTO mode, when the UTO PROGRAM feature is activated, the V will automatically choose the correct ode.



1 **Press the MENU button** on the remote to show the on-screen menu.

2 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll through the on-screen menu until the word **INSTALL** is highlighted.

3 **Press the CURSOR RIGHT button** to display the **INSTALL** menu features.

4 **Press CURSOR UP ∧ or DOWN ∨ buttons** to scroll the Install features until the words **TUNER MODE** is highlighted.

5 **Press the CURSOR RIGHT button** to select either **ANTENNA**, **CABLE**, or **AUTO** mode.

6 **When finished, press the STATUS /EXIT button** to remove the on-screen menu from the TV's screen.

Helpful Hints

When CABLE is selected, channels 1-125 are available.

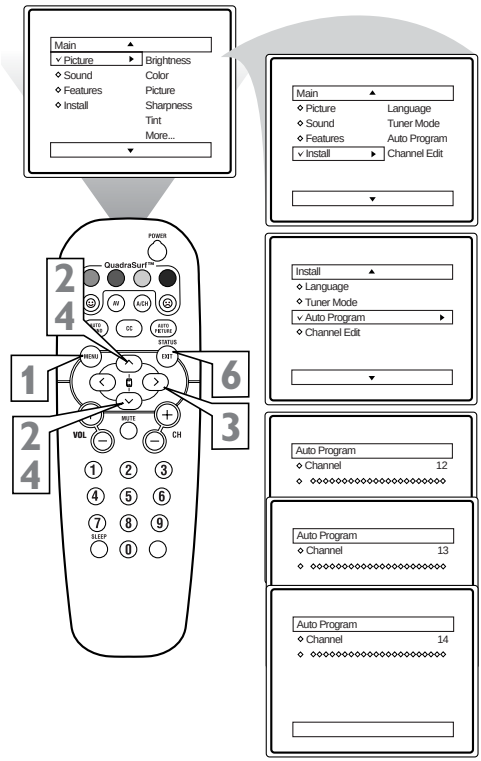
When ANTENNA is selected, channels 2-69 are available.

When AUTO is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the AUTO PROGRAM eature is activated.

13 AUTOMATICALLY PROGRAM

Your TV can automatically set itself for local area (or Cable TV) channels. This makes it easy for you to select only the TV tations in your area when the CHANNEL +), (–) buttons are pressed.

Note: Make sure the antenna or cable signal connection has been completed before UTO PROGRAM is activated.



1 **Press the MENU button** on the remote to show the on-screen menu.

2 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll through the on-screen menu until the word **INSTALL** is highlighted.

3 **Press the CURSOR RIGHT > button** to display the **INSTALL** menu features.

4 **Press CURSOR UP ∧ or DOWN ∨ buttons** to scroll the Install features until the words **AUTO PROGRAM** are highlighted.

5 **Press the CURSOR RIGHT > button** to start the Auto Program scanning of channels. Auto Programming will store all available channels in the TV's memory then tune to the lowest available channel when done.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

Helpful Hints

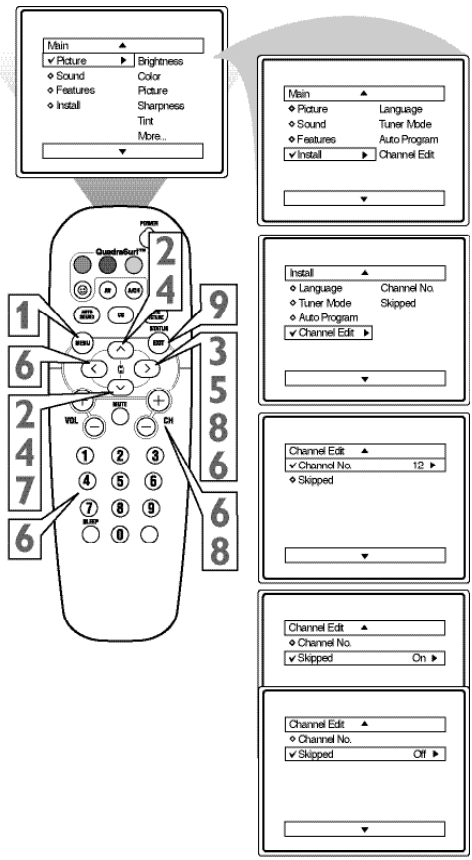
When CABLE is selected, channels 1-125 are available.

When ANTENNA is selected, channels 2-69 are available.

When AUTO is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the AUTO PROGRAM feature is activated.

CHANNEL EDIT

Channel Edit makes it easy for you to ADD or DELETE channels from the list of channels stored in the TV's memory.



1 **Press the MENU button** on the remote control to show the on-screen menu.

2 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll though the on-screen menu until the word **INSTALL** is highlighted.

3 **Press the CURSOR RIGHT > button** to display the **INSTALL** menu features.

4 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to scroll through the Install features until the words **CHANNEL EDIT** are highlighted.

5 **Press the CURSOR RIGHT > button** to display the CHANNEL EDIT options.

6 **With the CHANNEL EDIT options displayed,** and **CHANNEL NO.** highlighted; you can use the cursor buttons to scroll through all available channels that you wish to add (skipped OFF) or delete (Skipped ON) from the TV's memory. You can also use the NUMBERED buttons to go directly to a specific numbered channel that you want to add or skip. Or, you can also use the CH+ or CH- to quickly scan through the channels that have not been skipped.

7 **Using the CURSOR DOWN ∨** button, scroll the menu to highlight the word SKIPPED.

8 **Now use the CURSOR RIGHT > to toggle between ON or OFF.** If ON is selected the channels is skipped when scrolling channels with the CH+ or CH- buttons. If OFF is selected the channels is not skipped when scrolling channels with the CH+ or CH- buttons.

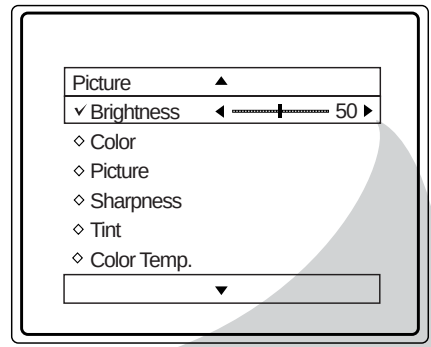
9 **When finished, press the STATUS/EXIT button** to remove the menu from the screen.

HELPFUL HINTS

An "X" appearing in front of any channel will indicate that channel has skip on. When the CH + or CH - buttons are used, those channels will be skipped.

PICTURE MENU CONTROLS

To adjust your TV picture controls, select a channel and use the Picture Menu Controls sted below:



1 **BRIGHTNESS CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** until the darkest parts of the picture are as bright as you prefer.

✓ Brightness 65

2 **COLOR CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** to add or eliminate color.

✓ Color 50

3 **PICTURE CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** until lightest parts of the picture show good detail.

✓ Picture 50

4 **SHARPNESS CONTROL - CURSOR RIGHT > or LEFT < buttons** to improve detail in the picture.

✓ Sharpness 50

5 **TINT CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** to obtain natural skin tones.

✓ Tint 0

6 **COLOR TEMP CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** to select NORMAL, COOL, or WARM picture preferences. (NORMAL will keep the whites, white; COOL will make the whites, bluish; and WARM will make the whites, reddish.)

✓ Color Temp. Normal

Warm
or
Cool

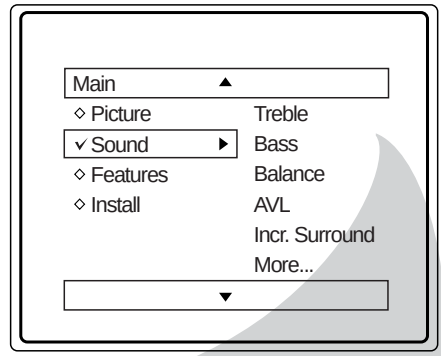
7 **CONTRAST + CONTROL - Press the CURSOR RIGHT > or LEFT < buttons** to toggle the control On or OFF. The Contrast + control helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

✓ Contrast + On

Off

SOUND MENU CONTROLS

To adjust your TV sound, select and use the Sound Menu Controls listed below:



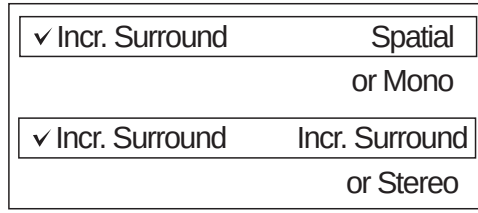
1 **TREBLE: Press the CURSOR RIGHT > or LEFT < buttons** to adjust the control. The control will enhance the high frequency sounds.

2 **BASS: Press the CURSOR RIGHT > or LEFT < buttons** to adjust the control. The control will enhance the low frequency sounds.

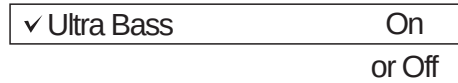
3 **BALANCE:** Press the **CURSOR RIGHT > or LEFT < buttons** to adjust the level of sound coming from the left and right speakers.

4 **AVL:** (Auto Volume Leveler) **Press the CURSOR RIGHT > or LEFT < buttons** to turn the control On or Off. When On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

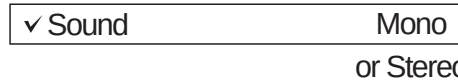
5 **INCR. SURROUND: Press the CURSOR RIGHT > or LEFT < buttons** to select between Incr. Surround or Stereo settings (If Stereo), or select Spatial or Mono (If Mono).



6 **ULTRA BASS: Press the CURSOR RIGHT > or LEFT < buttons** to turn Ultra Bass On or Off. Ultra Bass will enhance the low frequency sound.

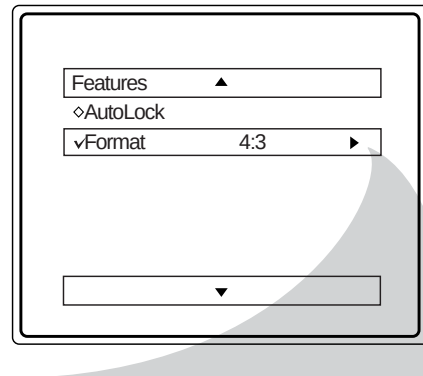


7 **SOUND: Press the CURSOR RIGHT > or LEFT < buttons** to select between Stereo or Mono settings. Note: If Stereo is not present on a selected show and the TV is placed in the Stereo mode, the sound coming from the TV will remain in the Mono mode.



THE 4:3 EXPAND FORMAT CONTROL

Many times while watching movies from a DVD player the image is shown in etter box" format. This is the format that shown in movie theaters. when shown on TV screen, the image will have areas of ack on top and bottom of the screen.



1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR DOWN ∨ button** until the word **Features** is highlighted.

3 **Press the CURSOR RIGHT > button** to display the **Features** menu options (AutoLock or Format).

4 **Press the CURSOR DOWN ∨ button** until the word **Format** is highlighted.

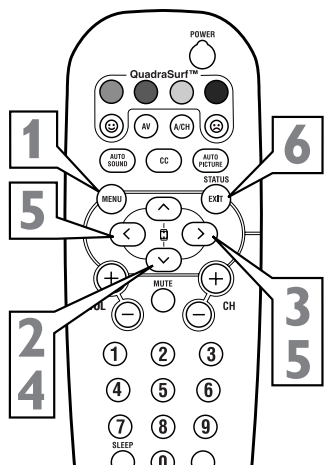
5 **Press the CURSOR RIGHT > or LEFT < buttons** to select one of the two options 4:3 or Expand 4:3.
4:3 - Standard format for the TV.
Expand 4:3 - Enlarges the picture to fill out the entire screen area, eliminating the "letter box" effect.

6 **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

4:3

Expand 4:3

Note: The Expand 4:3 format can also e activated using the **CURSOR UP ∧ r DOWN ∨ buttons** when the nscreen menu is not being displayed. ressing these buttons will toggle the andard 4:3 format and the Expand 4:3 ormat.



UNDERSTANDING AUTOLOCK CONTROLS

The AutoLock™ feature is an integrated circuit that receives and processes data sent by roadcasters, or other program providers, that ontain program content advisories. When prorammed by the viewer, a TV with AutoLock™ an respond to the content advisories and block rogram content that may be found objectionble (such as offensive language, violence, sexual tuations, etc.). This is a great feature to censor he type of viewing children may watch.

AutoLock™ offers various BLOCKING ontrols from which to choose:

Access Code - An Access Code must be et to prevent children from unblocking uestionable or censored programming set y their parents.

Channel Block - After an access code has een programmed, you can block individual hannels including the A/V inputs.

Clear All - Allows you clear all channels eing blocked from your viewing set with he Channel Block Control.

Block All - Allows you to block ALL chanels and A/V inputs at one time.

Movie Ratings - Certain blocking options xist which will block programming based on atings patterned by the Motion Pictures Association of America.

TV Ratings - Just like the Movie Ratings, rograms can be blocked from viewing using tandard TV ratings set by TV broadcasters.

MOVIE RATINGS

G: General Audience - All ages admitted. Most parents would find this program suitble for all ages.

G: Parental Guidance Suggested - This rogramming contains material that parents may find unsuitable for younger children.

G-13: Parents Strongly Cautioned - This rogramming contains material that parents may find unsuitable for children under the age f 13.

MOVIE RATINGS Continued

R: Restricted - This is programming is specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying parent or adult guardian.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV RATINGS

TV-Y -- Designed for a very young audience, including children ages 2-6.

TV-Y7 -- It may be appropriate for children age 7 and above who have acquired the development skills needed to distinguish between make-believe and reality.

TV-G -- Suitable for most audiences, this type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV-PG -- This program contains material that parents may find unsuitable for younger children. Could contain Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14 -- This program contains some material that many parents would find unsuitable for children under 14 years of age. This type of programming contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA -- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude indecent language (L).

SETTING UP AN ACCESS CODE

Over the next few panels you'll learn how to block channels and get a better nderstanding of the rating terms for certain rogramming.

irst, let's start by learning how to set a per-onal access code:

1 **Press the MENU button** on the remote to display the on-screen menu.

2 **Press the CURSOR UP ∧ or DOWN ∨ buttons** until the word **FEATURES** is highlighted.

3 **Press the CURSOR RIGHT > button** to display the FEATURES menu options.

4 **Press the CURSOR UP ∧ or DOWN ∨ buttons** until the words AUTOLOCK™ are highlighted.

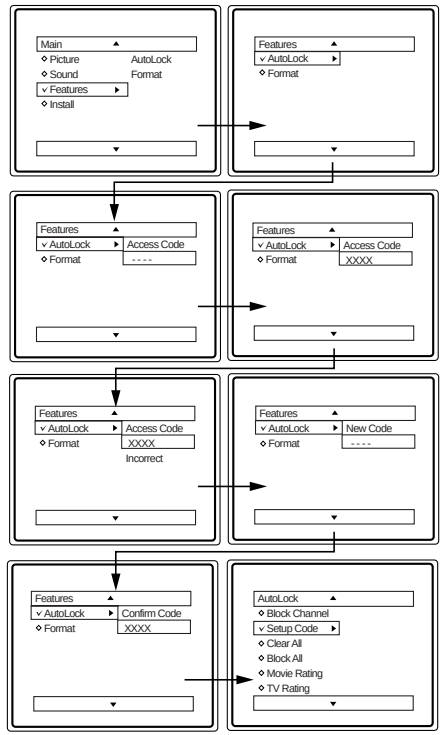
5 **Press the CURSOR RIGHT > button.** The screen will read, **"ACCESS CODE - - - - ."**

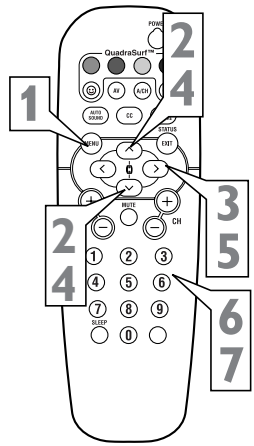
6 **Using the NUMBERED buttons, enter 0, 7, 1, 1. "XXXX"** appears on the Access Code screen as you press the numbered buttons.

"INCORRECT CODE" will appear on the screen, and **you will need to enter 0, 7, 1, 1 again.**

7 The screen will ask you to enter a "New Code." **Enter a "new" 4 digit code using the NUMBERED buttons.** The screen will then ask you to CONFIRM the code you just entered. **Enter your new code again. "XXXX"** will appear when you enter your new code and then display the AutoLock™ menu options.

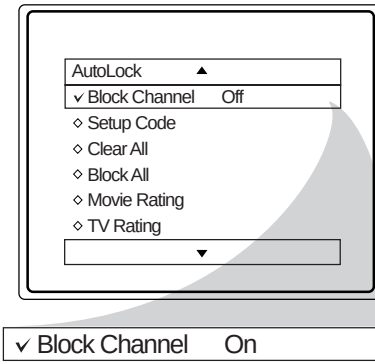
roceed to the next panel to learn more...





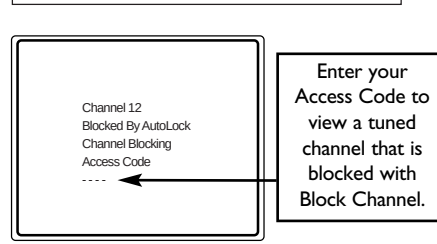
BLOCK CHANNELS

After your personal access code has been set (see previous page), you are now eady to select the channels or the A/V nputs you want to block out or censor. Once you've entered your access code and he AutoLock™ features are displayed on he screen:



1 **Press the CURSOR UP ∧ or DOWN ∨ buttons** until the words **BLOCK CHANNELS** are highlighted.

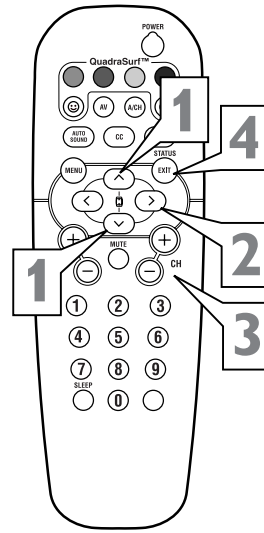
2 **Press the CURSOR RIGHT > button** to turn blocking ON or OFF for that channel. When ON is selected the channel will be blocked.


✓ Block Channel On
Channel 12
Blocked By AutoLock
Channel Blocking
Access Code

Enter your Access Code to view a tuned channel that is blocked with Block Channel.

3 **Press the CH + or CH – button** to select other channels you wish to block. Repeat step 9 to block the new channel.

4 **When finished, press the STATUS/EXIT button** to remove the menu from the screen.

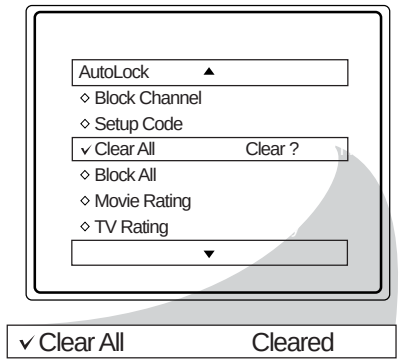


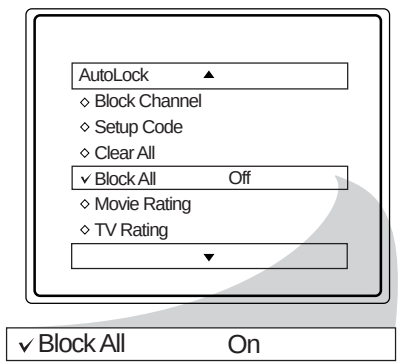
NOTE: If you ever forget your code, he 0, 7, 1, 1 code is the factory default nd can be used to enter and create a ew access code.

21 BLOCK/CLEAR ALL CHANNELS AT THE SAME TIME

After blocking specific channels there may come a time when you want to lock or clear all the channels at the same me.

Once you've entered your access code and he AutoLock™ features are displayed on he screen:





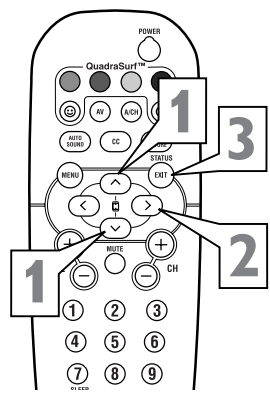
1 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to select either CLEAR ALL or BLOCK ALL.

2 **If CLEAR ALL is selected, press the CURSOR RIGHT > button** to clear all blocked channels. All channels will be viewable.

If BLOCK ALL is selected, press the CURSOR RIGHT > button to turn the control ON or OFF. When ON is selected, ALL available channels will be blocked from viewing.

3 **When finished, press the STATUS/EXIT button** to remove the menu from the screen.

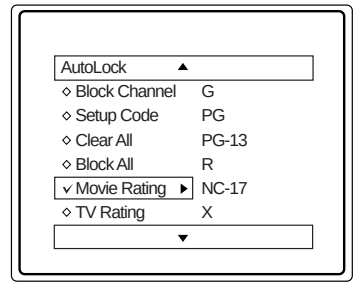
NOTE: If you ever forget your code, he 0, 7, 1, 1 code is the factory default nd can be used to enter and create a ew access code.



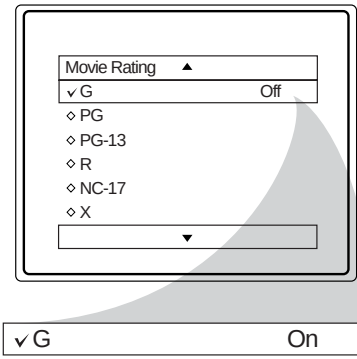
MOVIE RATINGS

The AutoLock™ feature can block programming based on the Movie Industry ratings.

Once you've entered your access code and the AutoLock™ features are displayed on the screen:



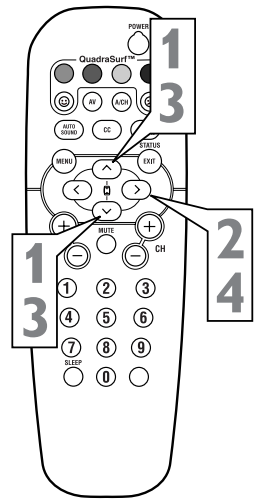
1 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to highlight the words MOVIE RATING.



2 **Press the CURSOR RIGHT > button** to display the **MOVIE RATING** options (G, PG, PG-13, R, NC17, or X).

3 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to highlight any of the Movie Rating options. When highlighted, all these options can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing)*.

4 **Use the CURSOR RIGHT > button** on the remote to turn the rating option ON or OFF.



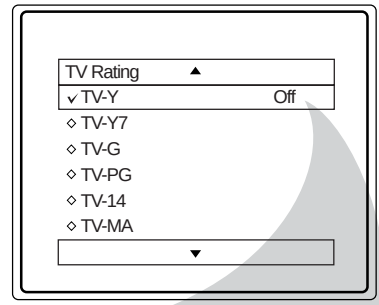
When a rating level is chosen to be locked, any higher level rating will also be blocked from viewing. (i.e.: If "R" is selected to be blocked, NC-17 and X will automatically be blocked.)

NOTE: If you ever forget your code, the 0, 7, 1, 1 code is the factory default and can be used to enter and create a new access code.

TV RATINGS

The AutoLock™ feature can block programming based on the TV Industry ratgs.

nce you've entered your access code and the utoLock™ features are displayed on the creen:

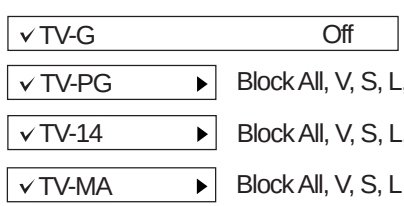


1 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to highlight the words TV RATING.

2 **Press the CURSOR RIGHT > button** to display the **TV RATING** options (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA).

3 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to highlight any of the TV Rating options. When highlighted, all these options can be turned **ON** *(which will allow blocking)* or **OFF** *(which will allow viewing).*

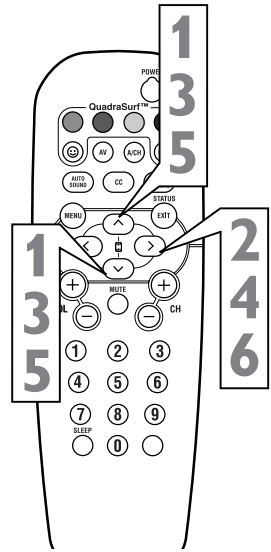
NOTE: Some TV RATING options also ave sub-ratings. The ratings of TV-Y7, TV-G, TV-14, TV-MA can be customized to ock V (violence), FV (fantasy violence), S exual situations), L (coarse language), or D uggestive dialogue).



4 **Press the CURSOR RIGHT > button** on the remote to turn the TV-Y or TV-G rating ON or OFF. **Or, press the CURSOR RIGHT > button** to enter the sub-menus for the TV-Y7, TV-PG, TV-14 or TV-MA ratings.

5 If the TV-Y7, TV-PG, TV-14 or TV-MA sub-menu is accessed, **press the CURSOR UP ∧ or DOWN ∨ buttons** to select one of the options (Block All, V, S, L, D, or FV).

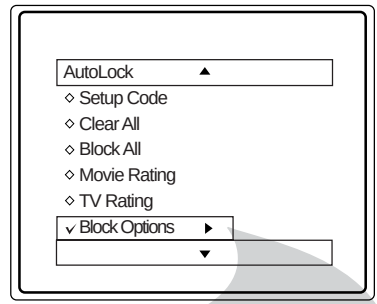
6 **Press the CURSOR RIGHT > button** on the remote to turn the option ON or OFF.



BLOCKING OPTIONS

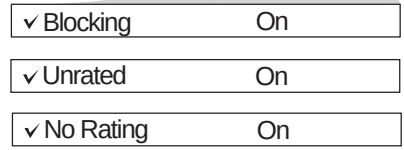
AutoLock™ offers the viewer other blocking features as well. With these Blocking Options, the censoring can be turned ON or OFF.

Once you've entered your access code and he AutoLock™ features are displayed on he screen:



1 **Press the CURSOR UP ∧ or DOWN ∨ buttons** until the words **BLOCKING OPTIONS** are highlighted.

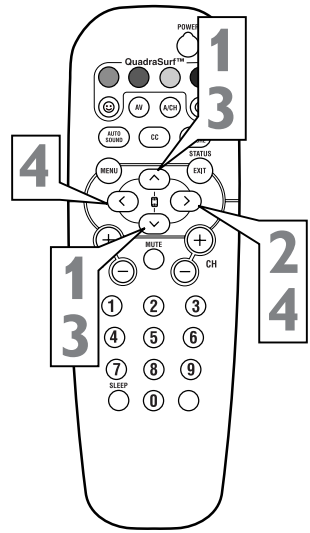
2 **Press the CURSOR RIGHT > button** to display the **Blocking Options (BLOCKING, UNRATED, or NO RATING) menu.**



BLOCKING: Might be called the "master switch" for AutoLock™. When ON, ALL blocking/censoring will take place. When OFF, ALL blocking is disabled.

UNRATED: ALL unrated programs ased on the Movie Ratings or Parental TV) Guidelines can be blocked if this feaure is set to ON and the BLOCKING eature is set to OFF.

NO RATING: ALL programming with NO content advisory data can be locked if set to ON and the BLOCKNG feature is set to OFF.

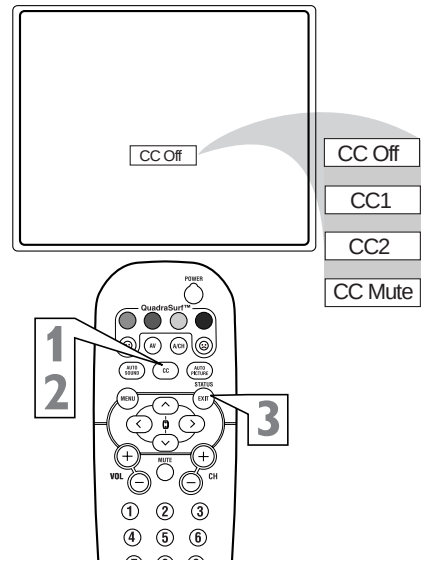


3 **Press the CURSOR UP ∧ or DOWN ∨ buttons** to highlight the desired feature.

4 When highlighted, each feature can be turned **ON** or **OFF using the CURSOR RIGHT > or the CURSOR LEFT < buttons** on the remote.

CLOSED CAPTIONING

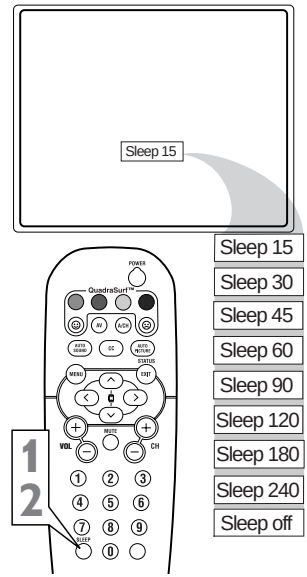
Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.



1. **Press the CC button** on the remote to display the current Closed Caption setting.
2. **Press the CC button repeatedly** to choose from the four Closed Caption options (CC Off, CC1, CC2, CC Mute).
3. **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

SLEEPTIMER

Your TV can be set to automatically turn itself off at a given amount of time.



1. **Press the SLEEP button** on the remote control and the SLEEP timer display will appear on the screen.
2. **Press the SLEEP button** repeatedly to pick the amount of time (15, 30, 45, 60, 90, 120, 180, or 240 minutes) before the TV will turn itself off.

NOTE: An on-screen count down will appear during the last minute before the TV shuts itself off. If any button is pressed during the last minute of the countdown, the Sleeptimer setting will be cancelled.

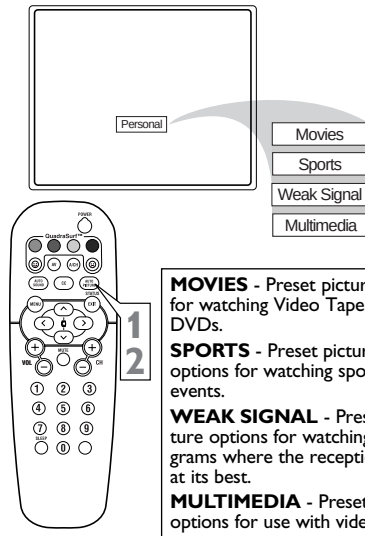
AUTO PICTURE

Whether you're watching a movie or a sporting event, your TV has automatvideo control settings matched for your urrent program source or content.

1 **Press the AUTO PICTURE button** on the remote control. The current Auto Picture setting will be displayed on the screen.

2 **Press the AUTO PICTURE button repeatedly** to select either PERSONAL, MOVIES, SPORTS, WEAK SIGNAL, or MULTIMEDIA picture settings.

NOTE: The way you choose to set the cture Menu Controls will become your ERSONAL setting.



MOVIES - Preset picture options for watching Video Tapes, or DVDs.

SPORTS - Preset picture options for watching sporting events.

WEAK SIGNAL - Preset picture options for watching programs where the reception is not at its best.

MULTIMEDIA - Preset picture options for use with video gaming.

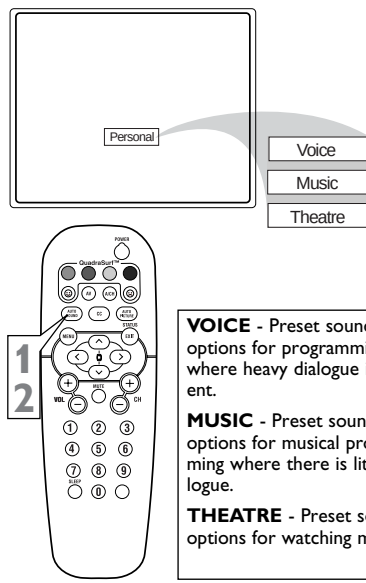
AUTO SOUND

The Auto Sound feature allows the listener to select between four different factoset sound options.

1 **Press the AUTO SOUND button** on the remote control. The current Auto Sound setting will appear in the middle of the screen.

2 **Press the AUTO SOUND button repeatedly** to toggle between the four settings. (PERSONAL, MUSIC, VOICE, or THEATRE)

NOTE: The way you choose to set the ound Menu Controls will become your ERSONAL setting.



VOICE - Preset sound options for programming where heavy dialogue is present.

MUSIC - Preset sound options for musical programming where there is little dialogue.

THEATRE - Preset sound options for watching movies.

The QuadraSurf™ control allows you set up four different personal channel Surf ts using the colored buttons (on the emote control), each holding up to ten hannels in its quick viewing"list."

1 **Press the CHANNEL (+) or (–) buttons** (or the NUMBER buttons) to select a channel to add to one of the SURF lists.

2 **Press the SMILEY ☺ button** on the remote control to ADD the channel to one of the SURF lists.

3 **Press the corresponding COLORED (Red, Green, Yellow or Blue) button** to add the channel to that button's Surf list. (Up to ten channels per button can be stored.)

epeat steps 1 through 3 to add addional channels (up to 10) to each of the he SURF lists.

---

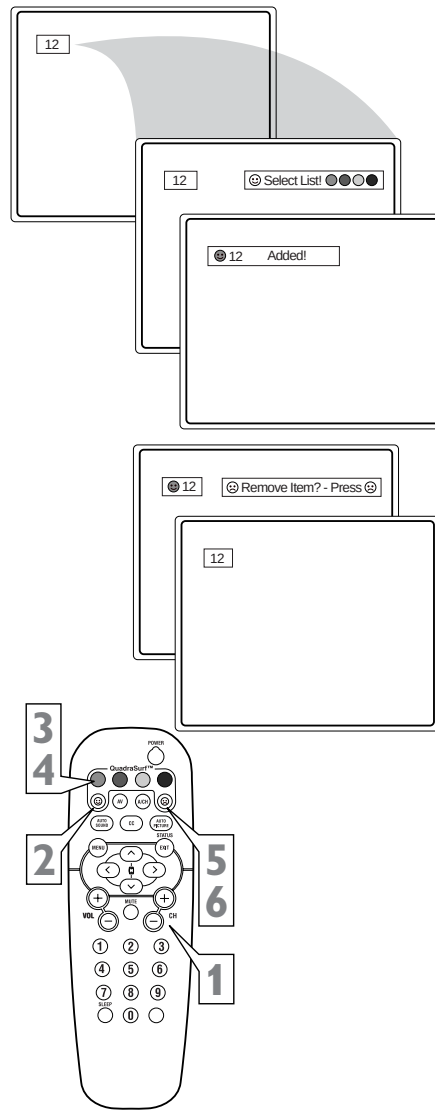
o remove a channel from one of he SURF lists;

4 **Press the COLORED Quadra Surf button** until the desired channel appears. The screen will display the channel number with a colored "Smiley" face to indicate the Colored button it relates to.

5 **While the "Smiley" face channel indicator is displayed, press the FROWNIE ☹ face button.** The screen will read, "Remove item? - Press ☹ ."

6 **Press the FROWNIE ☹ face button again** to confirm your decision to remove the channel from the Surf list.

epeat steps 4-6 to remove other chanels from Surf lists.



The Quadra Surf buttons on your remote control allow you to store up to 10 channels per button (40 total). You can even program the A/V Input channels for each button making them a "source" button.

Assuming channels have now been added to the four Quadra Surf lists (the four colored buttons, see the previous page), let's review how the feature works.

1 **Press one of the pre-programmed COLORED buttons** on the remote (Red, Green, Yellow or Blue). The screen will display a smiley face with the first programmed channel for that surf list.

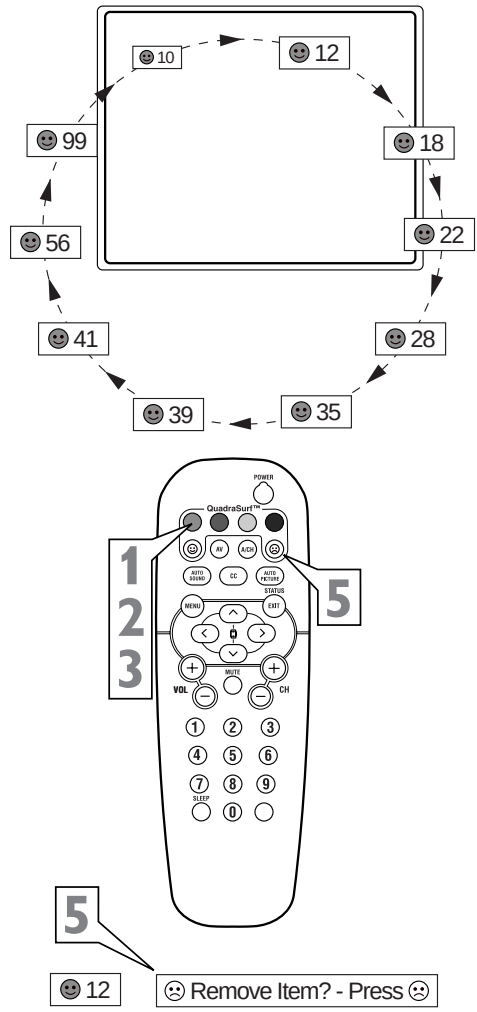
2 **While the colored "smiley" face still appears on the screen, press the same COLORED button** on the remote to tune the second channel programmed for that specific surf list.

3 **Repeatedly pressing the same COLORED button** while the "smiley" face appears will tune all the programmed channels. Pressing the COLORED button again will return you to the first channel in the list.

When the "smiley" face disappears from the screen and the same COLORED button is pressed, the surf channels will be displayed starting with the FIRST programmed channel again.

4 Repeat steps 1-3 for the other three COLORED buttons (Surf lists) if desired.

5 Any time the "smiley" face appears with the channel number, **pressing the "frownie" face button** will allow you to remove it from the list (see the previous page for more details).



No Power

Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
Check that the outlet is not on a wall switch.
Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture

Check antenna connections. Are they properly secured to the TV's ANT 75Ω plug?
Check the TUNER MODE control for the correct tuner setting.
Try running the Auto Program feature to find all available channels.
Press the AV button on the remote to make sure the correct signal source is selected (FRONT or Current Channel).

No Sound

Check the VOLUME buttons.
Check the MUTE button on the remote control.
If you're attempting to hook up auxiliary equipment, check the audio jack connections located on the front of the TV.

Remote Does Not Work

Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.
Clean the remote control and the remote control sensor window on the TV.
Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
Be sure the fuse is not blown on the AC power strip, if one is being used.
Check to be sure the TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13

Repeat channel selection.
Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

LIMITED WARRANTY

90 Days Labor & One (1) Year Parts & Two (2) Years Display

HILIPS CONSUMER ELECTRONICS warrants is product against defect in material or workmanship, bject to any conditions set forth as follows:

ROOF OF PURCHASE: You must have proof of e date of purchase to receive warranted repair on e product. A sales receipt or other document show- g the product and the date that you purchased the roduct as well as the authorized retailer included, is onsidered such proof.

OVERAGE:
the product is determined to be defective)

ABOR: For a period of ninety (90) days from the date purchase, Philips will repair or replace the product, its option, at no charge, or pay the labor charges to ny Philips authorized repair facility. After the period of nety (90) days, Philips will no longer be responsible r charges incurred.

ARTS: For a period of one (1) year from the date of urchase, Philips will supply at no charge, new or rebuilt placement parts in exchange for defective parts. hilips authorized service centers will provide removal nd installation of the part under the specified labor arranty.

ISPLAY: For a period of two (2) years from the date purchase, Philips will supply, at no charge, a new or built active display device in exchange for the defec- ve display. Philips authorized service centers will pro- de removal and installation of the parts under the ecified labor warranty.

XCLUDED FROM WARRANTY COVERAGE
our warranty does not cover:

Labor charges for installation or setup of the prod- uct, adjustment of customer controls on the prod- uct, and installation or repair of antenna systems outside of the product.

Product repair and/or part replacement because of improper installation, connections to improper volt- age supply, abuse, neglect, misuse, accident, unautho- rized repair or other cause not within the control of Philips.

- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufac- tured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or cost associated with pack- aging.
- Product lost in shipment and no signature verifica- tion of receipt can be provided.
- A product used for commercial or institutional pur- poses (including but not limited to rental purposes).
- Products sold AS IS or RENEWED.

TO OBTAIN WARRANTY SERVICE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS…
Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

TO OBTAIN WARRANTY SERVICE IN CANADA…
1-800-661-6162 (French Speaking)
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